

# Figure 1-A

>2269559	GGAAGANCTG	CTTCGAGGAG	GAGCTCATCT	GCNCTATCTG	CCTGCACGTT
>1664718					GTT
Consensus	GGAAGANCTG	CTTCGAGGAG	GAGCTCATCT	GCNCTATCTG	CCTGCACGTT
>2269559	TTCGTGGAGC	CAGTGCAGCT	GCCGTGCAAA	CACANCTTCT	GCCGGGGCTG
>1664718	TTCGTGGAGC	CAGTGCAGCT	GCCGTGCAAA	CACAACTTCT	GCCGGGGCTG
Consensus	TTCGTGGAGC	CAGTGCAGCT	GCCGTGCAAA	CACAACTTCT	GCCGGGGCTG
>2269559	CATCGGCGAG	GCGTGGGCCA	AGGACAGCGG	CCTCGTACGC	TGCCCAGAGT
>1664718	CATCGGCGAG	GCGTGGGCCA	AGGACAGCGG	CCTCGTACGC	TGCCCAGAGT
>2360586	ATCGGCGAG	GCGTGGGCCA	AGGACAGCNG	CCTCGTACGC	TGCCCAGAGT
Consensus	CATCGGCGAG	GCGTGGGCCA	AGGACAGCGG	CCTCGTACGC	TGCCCAGAGT
>2269559	GCAACCAGGC	CTACAACCAG	ANGCCGGGCC	TGGAGAAGAA	CCTGAAGCTC
>1664718	GCAACCAGGC	CNACAACCAG	AAGCCGGGCC	TGGNGAAGAA	CCTGAAGCTC
>2360586	GCAACCAGGC	CTACAACCAG	AAGCCGGGCC	TGGAGAAGAA	CCTGAAGCTC
Consensus	GCAACCAGGC	CTACAACCAG	AAGCCGGGCC	TGGAGAAGAA	CCTGAAGCTC
>2269559	ACCAACATCG	TGGAGAAGTT	CAATGCCCTG	CNCGTGGAGA	NGCCGCCGGC
>1664718	ACCAACATCG	TGGAGAAGTT	CAATGCCCTG	CACGTGGAGA	ANCCGCCGGC
>2360586	ACCAACATCG	TGGAGAAGTT	CAATGCCCTG	CACGTGGAGA	NGCCGCCGGC
Consensus	ACCAACATCG	TGGAGAAGTT	CAATGCCCTG	CACGTGGAGA	AGCCGCCGGC
>2269559	GGCGCTGCAC	TG			
>1664718	GGCGCTGCAC	TGCGTGTCT	GCCGCCGCGG	CCCCCGCTG	CCCGCGCAGA
>2360586	NGCGCTGCAC	TGCGTGTCT	GCCGCCGCGG	CCCCCGCTG	CCCGCGCAGA
Consensus	GGCGCTGCAC	TGCGTGTCT	GCCGCCGCGG	CCCCCGCTG	CCCGCGCAGA
>1664718	AGGTCTGCCT				
>2360586	AGGTCTGCCT	GCGCTGCGAG	GCGCCCTGCT	GCCAGTCCCA	CGTGCAGACG
>1436565		T GCGCTGCGAG	GCGCCCTGCT	GCCAGTCCCA	CGTGCAGACG
Consensus	AGGTCTGCCT	GCGCTGCGAG	GCGCCCTGCT	GCCAGTCCCA	CGTGCAGACG
>2360586	CACCT				
>1436565	CACCTGCAGC	AGCCCTCCAC	CGCCCGCGGG	CACCTCCTGG	TGGAGGCGGA
Consensus	CACCTGCAGC	AGCCCTCCAC	CGCCCGCGGG	CACCTCCTGG	TGGAGGCGGA
>1436565	CGACGTGCGG	GCCTGGAGCT	GCCCGCAGCA	CAACGCCTAC	CGCCTCTACC
Consensus	CGACGTGCGG	GCCTGGAGCT	GCCCGCAGCA	CAACGCCTAC	CGCCTCTACC
>1436565	ACTGCGAGGC	CGAGCAGGTG	GCCGTGTGCC	AGTACTGCTG	CTACTACAGC
Consensus	ACTGCGAGGC	CGAGCAGGTG	GCCGTGTGCC	AGTACTGCTG	CTACTACAGC
>1436565	GGCGCGCATC	AGGGACACTC	GGTGTGCGAC	GTGGAGATCC	GAAGGAATGA
>2479125			GGTGTGCGAC	GTGGAGATCC	GAAGGAATGA
Consensus	GGCGCGCATC	AGGGACACTC	GGTGTGCGAC	GTGGAGATCC	GAAGGAATGA
>1436565	AATCCGGAAG	ATGCTCATGA	AGCAGCAGGA	CC	
>2479125	AATCCGGAAG	ATGCTCATGA	AGCAGCAGGA	CCGGCTGGAG	GAGCGAGAGC
Consensus	AATCCGGAAG	ATGCTCATGA	AGCAGCAGGA	CCGGCTGGAG	GAGCGAGAGC
>2479125	AGGACATTGA	GGACCAGCTG	TACAAACTCG	AGTCAGACAA	GCGCCTGGTG
>2247228					GTG
Consensus	AGGACATTGA	GGACCAGCTG	TACAAACTCG	AGTCAGACAA	GCGCCTGGTG

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## Figure 1-B

>2479125	GAGGAGAAAG	TGAACCAACT	GAAGGAGGAA	GTTTCGGCTGC	AGTACGAGAA
>2247228	GAGGAGAAAG	TGAACCAACT	GAAGGAGGAA	GTTTCGGCTGC	AGTACGAGAA
Consensus	GAGGAGAAAG	TGAACCAACT	GAAGGAGGAA	GTTTCGGCTGC	AGTACGAGAA
>2479125	GCTGCACCAG	CTGCTGGACG	AGGACCTGCG	GCAGACAGTG	GAGGTCCTAG
>2247228	GCTGCACCAG	CTGCTGGACG	AGGACCTGCG	GCAGACAGTG	GAGGTCCTAG
Consensus	GCTGCACCAG	CTGCTGGACG	AGGACCTGCG	GCAGACAGTG	GAGGTCCTAG
>2479125	ACAAGGCCCA				
>2247228	ACAAGGCCCA	GGCCAAGTTC	TGCAGCGAGA	ACGCAGCGCA	GGCGCTGCAC
>2112334			CGAGA	ACGCAGCGCA	GGCGCTGCAC
Consensus	ACAAGGCCCA	GGCCAAGTTC	TGCAGCGAGA	ACGCAGCGCA	GGCGCTGCAC
>2247228	CTCGGGGAGC	GCATGCAGGA	GGCCAAGAAG	CTGCTGGGCT	CCCTGCAGCT
>2112334	CTCGGGGAGC	GCATGCAGGA	GGCCAAGAAG	CTGCTGGGCT	CCCTGCAGCT
Consensus	CTCGGGGAGC	GCATGCAGGA	GGCCAAGAAG	CTGCTGGGCT	CCCTGCAGCT
>2247228	GCTCTTTGAT	AAGACGGAGG	ATGTCAGCTT	CATGAAGAAC	ACCAAGTCTG
>2112334	GCTCTTTGAT	AAGACGGAGG	ATGTCAGCTT	CATGAAGAAC	ACCAAGTCTG
Consensus	GCTCTTTGAT	AAGACGGAGG	ATGTCAGCTT	CATGAAGAAC	ACCAAGTCTG
>2247228	TGAAAATCCT	GATGG			
>2112334	TGAAAATCCT	GATGGACAGG	ACCCAGACCT	GCACGAGCAG	CAAGCCTTTC
>960106	GAAAATCCT	GATGGACAGG	ACCCAGACCT	GCACGAGCAG	CA:GCCTTTC
>962045	GAAAATCCT	GATGGACAGG	ACCCAGACCT	GCACGAGCAG	CA:GCCTTTC
>959580			CCT	GCACGNGCAG	CA:GCCTTTC
>961381			CCT	GCACGAGCAG	CA:GCCTTTC
Consensus	TGAAAATCCT	GATGGACAGG	ACCCAGACCT	GCACGAGCAG	CA:GCCTTTC
>2112334	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GCT:TTCCTG	AACGAATGG:
>960106	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GNTCT	
>962045	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GCTCTTCCTG	AACGAAGGN:
>959580	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GCTCTTCCTG	AACGAAGGC:
>961381	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GCTCTTCCTG	AACGAATGG:
>2517547			CTCCAA	GCTCTTCCTG	AACGAAGTGT
Consensus	CCCCACTAAG	ATCGGCCACC	TGAACTCCAA	GCTCTTCCTG	AACGAAGGG:
>2112334	CCAAGAAGGA	GAANCA			
>962045	CCAAGAAGGA	GAAGCAGCTG	CGGAAAATGC	TAGAAGGCC	CTTCAGCACG
>959580	CCAAGAAGGA	GAAGCAGCTG	CGGAAAATGC	TAGAAGGCC	CTT
>961381	CCAAGAAGGA	GAAGCAGCTG	CGGAAAATGC	TAGAAGGCC	CTTCAGCACG
>2517547	CCAAGAAGGA	GAAGCAGCTG	CGGAAAATGC	TAGAAGGCC	CTTCAGCACG
>2124915					CG
Consensus	CCAAGAAGGA	GAAGCAGCTG	CGGAAAATGC	TAGAAGGCC	CTTCAGCACG
>962045	CCGGTGCCCT	TCCTGCAGAG	TGTCCCCCTG	TACCCTTGCG	GCGTGAGCAG
>961381	CCGGTGCCCT	TCCTGCAGAG	TGTCCCCCTG	TACCCTTGCG	GCGTGAGCAG
>2517547	CCGGTGCCCT	TCCTGCAGAG	TGTCCCCCTG	TACCCTTGCG	GCGTGAGCAG
>2124915	CCGGTGCCCT	TCCTGCAGAG	TGTCCCCCTG	TACCCTTGCG	GCGTGAN:AG
Consensus	CCGGTGCCCT	TCCTGCAGAG	TGTCCCCCTG	TACCCTTGCG	GCGTGAGCAG

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## Figure 1-C

>962045	CTCTGGGGCG	GAAAAGCGCA	AGCACTCAAC	GGCCTTCCCA	GAGGCCAGTT
>961381	CTCTGGGGCG	GAAAAGCGCA	AGCACTCAAC	GGCCTTCCCA	GAGGCCAGTT
>2517547	CTCTGGGGCG	GAAAAGCGCA	AGCACTCAAC	GGCCTTCCCA	GAGGCCAGTT
>2124915	CTCTGGGGCG	GAAAAGCGCA	AG:ACTCAAC	GGCCTTCCCA	GAGGCCAGTT
Consensus	CTCTGGGGCG	GAAAAGCGCA	AGCACTCAAC	GGCCTTCCCA	GAGGCCAGTT
>962045	TCCTAGAGAC	GTCGTCGGGC	CCTGTGGGCG		
>961381	TCCTAGAGAC	GTCGTCGGGC	CCTGTGGGCG	GCCAGTACGG	GGCGGCGGGC
>2517547	TCCTAGAGAC	GTCGTCGGGC	CCTGTGGGCG	GCCAGTACGG	GGCGGCGGGC
>2124915	TCCTAGAGAC	GTCGTCGGGC	CCTGTGGGCG	GCCAGTACGG	GGCGGCGGGC
Consensus	TCCTAGAGAC	GTCGTCGGGC	CCTGTGGGCG	GCCAGTACGG	GGCGGCGGGC
>961381	ACAGCCAGCG	GTGAGGGCCA	GT		
>2517547	ACAGCCAGCG	GT			
>2124915	ACAGCCAGCG	GTGAGGGCCA	GTCTGGGCAG	CCCCTGGGGC	CCTGCAGCTC
Consensus	ACAGCCAGCG	GTGAGGGCCA	GTCTGGGCAG	CCCCTGGGGC	CCTGCAGCTC
>2124915	CACGCAGCAA	TTGGTGGCCC	TGCCGGGCGG	CGCCCAACCA	GTGCACTCAA
Consensus	CACGCAGCAA	TTGGTGGCCC	TGCCGGGCGG	CGCCCAACCA	GTGCACTCAA
>2124915	GCCCCGTGTT	CCCCCATCG	CAGTATCCCA	ATGG	
Consensus	GCCCCGTGTT	CCCCCATCG	CAGTATCCCA	ATGG	

09150883.021599

Figure 2

